Revised October 1, 1999 291430

FAA-04-18728-5

Aircraft Certification Service

Transport Airplane Directorate "Short" Domestic Worksheet 2003-NM-176-AD DOCKET NUMBER:

TECH WRITER:

	<i>er's Service Information/Revis</i> ee Bulletin 747-25A3335, dated Ju		Is this action one of the following?	RECEN
PROPOSE	D CORRESPONDING AC	TION:		JUL 18 E
En	nergency AD		Is this action one of the following?	ANM - 2003
Im	mediately Adopted AD		Supersedure of AD (Docket No.)	17/14
X No	otice of Proposed Rulemaking		Revision of AD (Docket No. TBD)	
	nal rule after NPRM FRAN, complete Attachment A.)		Supplemental NPRM (to Docket N (If any of the above is checked, complete Attachme	,
Ot	ther (No-Notice Final Rule)			
-	Engineer Name/Title:		Gary Oltman IVW	111
Branch:Backup Engir	ANM-120S/Airframe Branch neer: Rick Kawaguchi	Telephone: _	425-917- 6443 425-917-6434	6481
Dackup Engi	neer: <u>Rick Rawaguciii</u>	retephone:	423-717-0434	
			- Refer to SB; state any differences for	
Model: Applicability:	-		Boeing S/B 747-25A3335, dated July 3, 1272, 1274, 1275, & 1277	3 , 2003
# U.S. airpland Source: AD Summar	es: 3 Service Bulletin ry and Discussion Sections:	# wc	orldwide airplanes: 22	
2. What has th	he manufacturer told the FAA? ground/events that prompted the	AD in 1-2 sente	"The FAA has received reports indi ences. Refer to SB 'Reason.'	cating that"
guide fittings than 16 month	in the aft lower lobe cargo comparis. One operator reported 16 fractive unsafe condition AND its cause	rtment on 747-4 ured side guide 	raint for cargo. Two operators found fr 400 freighter airplanes that had been in a fittings on one airplane. "These actions are intendate technical terms". Refer to SB 'Reason.	service for less
should be open conveyance ro migrate out of impact the side	rated under missing cargo restrain ollers were inadequately swagged of the bearing, allowing the roller sh	t limitations of (manufacturing nell / conveyor by the ULD car		ual. The inner race can (ULD) to

3b. What is the end-level effect on the airplane?	"which could result in"
Provide a 1-sentence description; use non-technical terms.	
A fractured side guide fitting can result in unrestrained cargo which can damage flight. Unrestrained cargo is considered a significant event; weight shifting can controllability. AD Relevant Service Information Section:	-
4. (Yes or No) Is the corrective action required in this AD considered to be int	erim action?
No.	
5. (Yes or No) Is this action considered 'sensitive', or is it related to a Safety of (If yes, state why sensitive, and/or provide copy of FAA/NSTB Safety Recommendation).	
No.	
6. Does the referenced service document include reference to an "operator's ealify yes, specify whether that procedure employed by the operator (even if not teal addresses the identified unsafe condition and provides an acceptable level of sages.	chnically 'equivalent') adequately
No. 7. AD Differences Section (if needed): ""	This AD differs from the SB
Check if: Flight with Cracks Mandate Terminating Action	Contact Mgr, FAA
Compliance time Mandate AFM Action	<i></i>
Describe any other differences between service bulletin and this proposed $\overline{F}AA$	1 <i>AD</i> .
AD Cost Impact Section:	
8a. Work hours for corrective action(s) required: (List hours or reference SB	'Manpower').
4.5 work hours each for work packages 1 and 2 (per airplane) for side guide fitti conveyance roller assembly for roller assembly replacement. See S/B.	ng inspection, 0.15 hours per
8b. Parts Cost, if any: (List costs or reference SB 'Material - Cost and Availa	bility').
\$. See S/B.	

6/20/2003

9. AD Body Section:

For EACH corrective action, mark up SB, if usable -OR- fill out Corrective Action Table below

9a: Action

What is the corrective action?

Work Package 1:

Do detailed inspection of all forward and aft lower lobe side guide support fittings per SB Fig 3 (within 180 days)

If cracked or fractured side guide support fittings (SGSF) are found, Do 1 or 2, before further flight (BFF)

- (1) Operate under limitations defined in 747 Weight and Balance Manual for missing restraints until cracked or fractured SGSF are replaced.
- (2) Replace cracked or fractured SGSF per SB Fig 4

If no cracked or fractured SGSF are found, <u>or</u> once cracked or fractured SGSF have been replaced (or if operating with missing restraint per Weight & Balance Manual), repeat inspect <u>all</u> SGSF every 180 days until The outboard conveyance roller assemblies are replaced per SB Fig 5

Optional Terminating Action for all requirements of this AD: Replace all outboard roller assemblies per SB Fig 5 during inspection of SGSF.

Work Package 2: Do (A) and (B) concurrently, within 18 months

(A): Do detailed inspection of all forward and aft lower lobe SGSF per SB Fig 3

If cracked or fractured SGSF are found, Do 1 or 2, BFF

- (1) Operate under limitations defined in 747 Weight and Balance Manual for missing restraints until cracked or fractured SGSF are replaced.
- (2) Replace cracked or fractured SGSF per SB Fig 4
- (B): Replace all outboard roller tray, roller assemblies per SB Fig 5, regardless of apparent condition

What is its compliance time? (Add grace period if not available)

Do Work Package 1 within 180 days of the effective date of this AD.

Do Work Package 2 within 18 months of the effective date of this AD.

What is repetitive interval?

For WP1 only:

If no cracked or fractured SGSF are found, or if cracked or fractured SGSF have been replaced,

repeat inspect <u>all</u> SGSF every 180 days until the outboard roller assemblies are replaced per SB Fig 5

I. Should a ferry flight permit be: x Permitted Permitted with limitations* Prohibited List limitations.						
	e FAA has this proposal been	•				
TE: This item shou	ld be completed prior to submi	ission of the A	D Proposal Worksheet.			
Organization	Person Contacted	<u>Date</u>	Reaction			
Boeing	Tom Dorrance	2/2003	Concurs			
	Bill Clos	2/2003	Concurs			
ATA	Joe White	2/2003	<u> </u>			
res or No) was the	lead airline process used in de	veloping the i	equirements of this action?			
* * *	<u>-</u>					
No <u>x</u> Doe	s this action affect the Presi	•	,			
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No x Doe No x Doe No x Was Check the category the	s this action affect the President of the faction affect the FAA this action prompted by the cause of the cause	fleet? use of suspe	ected unapproved parts (SUP)? dition addressed by this AD:			
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